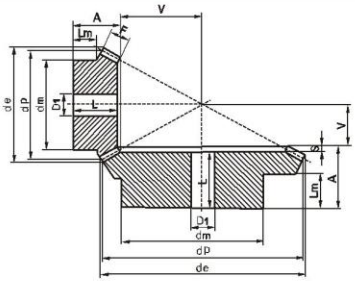
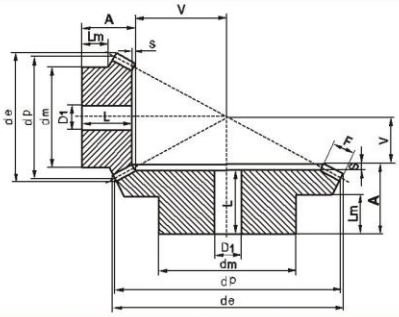
Bevel gear pairs with Usual Axes
Pressure angle 20°



TYPE-A Ratio-1 : 1

M	Z	d_p	d_e	F	A	d_m	D_1	L	V	S	L_m
1.5	16	24.0	26.12	6	18.9	20.3	8		7.10		12
	20	30.0	32.12	10	20	22	10	18	7.40	2	8.5
	25	37.5	39.62	10	23	28	10	21	11.09	2	12
	30	45.0	47.12	12	25	30	12	22.5	13.35	2.5	12
2	16	32.0	34.83	8	23.5	25.3	8		9.50		14
	20	40.0	42.83	12	25	32	10	22	10.78	3	12
	25	50.0	52.82	14	28	40	12	25	14.28	3	12.3
	30	60.0	62.83	16	30	50	12	27	17.78	3	12.8
2.5	16	40.0	43.53	10	28.1	30.3	12		11.90		15
	20	50.0	53.53	12	30.5	40	12	27	15.43	3.5	16
	25	62.5	66.00	15	33.5	50	15	30	19.48	3.5	16
	30	75.0	78.53	18	35.5	55	15	32	23.63	3.5	16
3	16	48.0	52.25	12	31.7	40.3	12		14.30		18
	20	60.0	64.24	18	35	45	15	31	16.00	4	13.6
	25	75.0	79.24	20	38	55	15	34	22.00	4	16
	30	90.0	94.24	22	40	60	20	36	28.00	4	17
3.5	16	56.0	60.95	14	36.4	45.3	16		16.60		20
	20	70.0	74.95	22	40.5	55	15	36	18.13	4.5	17
	25	87.5	92.45	26	43.5	65	20	39	23.97	4.5	18
	30	105.0	109.95	30	48	70	20	43.5	30.02	4.5	19
4	16	64.0	69.65	15	44.3	50.3	16		19.70		25
	20	80.0	85.65	25	43	60	18	38	20.74	5	18
	25	100.0	105.65	28	45	70	20	40	28.50	5	18
	30	120.0	125.65	32	48	80	20	43	35.67	5	16
4.5	16	72.0	78.38	17.5	46.3	55.3	20		21.70		25
	20	90.0	96.38	28	48	65	20	42	23.41	6	18
	25	112.5	118.80	32	50	75	20	44	31.76	6	18
	30	135.0	141.38	35	53	90	20	47	40.82	6	17

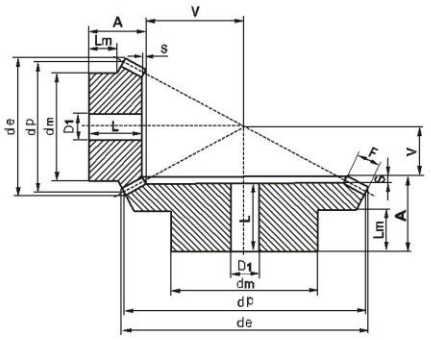
Bevel gear pairs with Usual Axes
Pressure angle 20°



TYPE-A Ratio-1 : 2

M	Z	d_p	d_e	F	A	d_m	D_1	L	V	S	L_m
1.5	16	24	26.68	8	19.5	21	10	18	16.33	1.5	11.3
	32	48	49.34	8	20.0	32	12	17	7.45	3	10
2	16	32	35.57	10	23.0	26	10	21	22.41	2	11.9
	32	64	65.78	10	25.0	40	12	21	10.21	4	10
2.5	16	40	44.47	12	27.5	34	12	25	28.38	2.5	14.4
	32	80	82.23	12	25.0	50	15	20	12.97	5	10
3	16	48	53.36	15	28.0	40	15	25	33.64	3	11.6
	32	96	98.68	15	30.0	60	15	24	15.31	6	10
3.5	16	56	62.26	18	33.5	48	15	30	38.83	3.5	14.4
	32	112	115.12	18	31.0	70	20	24	17.77	7	10
4	16	64	71.15	20	36.0	50	15	32	44.81	4	13.4
	32	128	131.57	20	32.0	80	20	24	20.42	8	10
4.5	16	72	80.05	22	39.5	60	20	35	51.00	4.5	15.4
	32	144	148.00	22	36.0	90	20	27	23.21	9	10

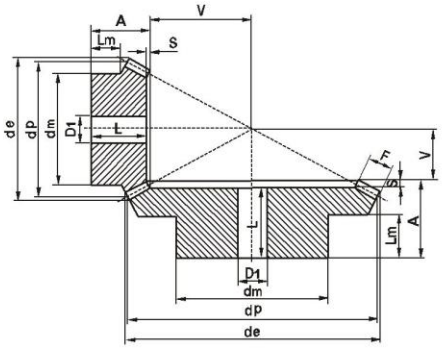
Bevel gear pairs with Usual Axes
Pressure angle 20°



TYPE-A Ratio-1 : 3

M	Z	dp	de	F	A	dm	D1	L	V	S	Lm
1.5	16 48	24 72	26.82 72.95	12 12	24 20	20 50	10 12	23 17	24.42 7.27	1 3	11.7 10
2	16 48	32 96	35.80 97.26	15 15	28.5 23	26 60	12 15	27 19	33.26 9.90	1.5 4	12.4 10
2.5	16 48	40 120	44.74 121.58	18 18	32 26	32 70	12 20	30 21	42.41 12.60	1.5 5	13 10
3	16 48	48 144	53.69 145.90	18 18	32 29	40 80	15 20	30 23	54.25 16.20	2 6	12.1 10
3.5	16 48	56 168	62.64 170.21	22 22	38 31	48 90	15 20	35.5 24	62.29 18.48	2.5 7	15 10
4	16 48	64 192	71.59 194.53	25 25	41.5 33	55 100	20 20	38.5 25	71.23 21.20	3 8	15.2 10
4.5	16 48	72 216	80.53 218.84	28 28	53 49	60 100	20 20	50 40	80.27 23.93	3 9	23.4 18
5	16 48	80 240	89.48 243.16	35 35	60 50	60 150	20 20	57 40	85.61 25.45	3 10	22.5 20

Bevel gear pairs with Usual Axes
Pressure angle 20°



TYPE-A Ratio-1 : 4

M	Z	dp	de	F	A	dm	D1	L	V	S	Lm
1.5	16 64	24 96	26.91 96.73	12 12	25 22	18 70	10 15	24 19	36.02 8.53	1 3	12.2 10
2	16 64	32 128	35.88 128.97	15 15	24 24	25 80	12 20	23 20	49.07 11.79	1 4	8.2 10
2.5	16 64	40 160	44.85 161.21	18 18	30.5 29	30 90	12 20	29 24	61.99 13.77	1.5 5	11.7 10
3	16 64	48 192	53.82 193.45	22 22	34 30	40 100	15 20	32 24	74.05 16.41	2 6	11 10
3.5	16 64	56 224	62.80 225.70	25 25	45 50	48 100	15 20	43 43	87.13 19.32	2 7	19.1 22
4	16 64	64 256	71.76 257.94	30 30	50 50	50 120	20 20	48 42	98.21 21.72	2 8	18.5 20
4.5	16 64	72 288	80.73 290.18	32 32	53 53	55 130	20 20	50.5 44	112.08 24.83	2.5 9	19 23
5	16 64	80 320	89.70 322.42	35 35	58 58	60 150	20 20	55.5 48	125.0 6 27.65	2.5 10	20.6 25